

# WAREHOUSE FOR EXPLOSIVE PRODUCTS

## Slobozia - Romania

### ▶ THE PROJECT

*The roof of this warehouse has an arc steel structure, with a 72m span.*

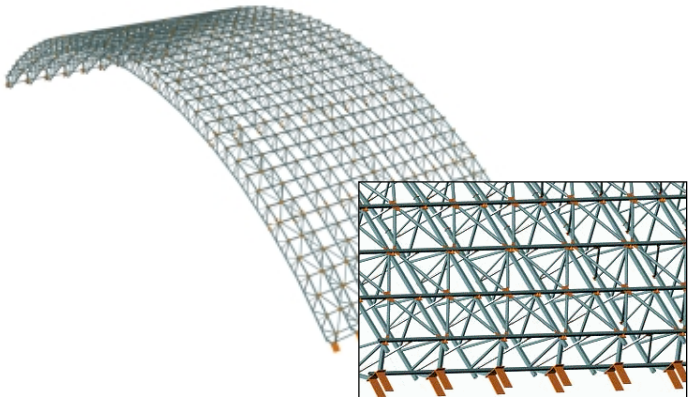
#### ■ Project characteristics

- > Arc structure, built from straight beams
- > Sliding roof
- > Bolted connections on site

#### ■ Solution

**Software used:** Advance Steel

- > 3D joint modeling
- > Automated drawing creation



### ▶ QUESTIONS TO MR. ING. G.E. NESTOR, GENERAL MANAGER AT N-CAD PROIECT, ROMANIA

#### **Mr. Nestor, why Advance Steel?**

I knew very well the extensive capabilities of this software (3D modeling, automatic detailing); I have been using it for over 4 years and I must say I am a very satisfied user.

#### **Would you tell us some of the advantages of using Advance Steel for this project?**

As you can see, the structure has a pretentious geometry – spatial arc, built from straight beams connected with joints.

The 3D modeling greatly simplified the structure design, especially the joints – (complex joints with 7, 8 or 9 bracings with various orientations). We obtained a correct model – one of the main requirements to avoid errors with bolts, knowing that all connections are bolted. I cannot imagine designing such a structure without 3D-CAD.

Once the model was completed, we had no problems in retrieving the details we needed – automatically created, dimensioned and labeled.

#### **And the result?**

From my point of view, designing such a structure in less than 3 weeks is a success achieved entirely due to Advance Steel. It would be almost impossible to handle such a project without dedicated software like Advance Steel. With a “standard” AutoCAD, I would have probably assigned 3 or 4 engineers and it would have taken 3 months to achieve the same result (with 2D, 3D details, etc.).

